

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Currently Amended) An optical device having a substrate and according to  
Claim 4, an optical element fixed to said substrate with a fixing member, said fixing member  
holding the optical element therein and the bottom surface of said fixing member being spherical  
to touch a fixing portion of said substrate at the edge of an opening of said fixing portion,  
wherein

said fixing portion is a cylindrical pedestal fixed to the substrate,

said substrate is metal,

said pedestal is metal and fixed to said substrate by welding, and

said fixing member is metal and fixed to said pedestal by welding.

6. (Currently Amended) An optical device having a substrate and according to  
Claim 4, an optical element fixed to said substrate with a fixing member, said fixing member  
holding the optical element therein and the bottom surface of said fixing member being spherical  
to touch a fixing portion of said substrate at the edge of an opening of said fixing portion,  
wherein

said fixing portion is a cylindrical pedestal fixed to the substrate and  
said optical element is pressed and fixed to said fixing member by a screw.

7. (Original) An optical device according to Claim 6,  
wherein a metal piece is inserted between said optical element and said screw.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Currently Amended) ~~A method of making an optical device according to claim~~  
~~12, A method of making an optical device in which an optical element is fixed to a substrate with~~  
~~a fixing member, comprising:~~

preparing a substrate having an opening in a fixing portion thereof, and a fixing member  
holding the optical element therein, the bottom surface of said fixing member being spherical;

adjusting a direction of said fixing member while the spherical bottom surface of said fixing member is in contact with the edge of the opening of said fixing portion of the substrate;  
and

fixing said fixing member to said fixing portion,

wherein said fixing portion is a cylindrical pedestal fixed to the substrate.

14. (Currently Amended) ~~A method of making an optical device according to Claim 12,~~  
A method of making an optical device in which an optical element is fixed to a substrate with a fixing member, comprising:

preparing a substrate having an opening in a fixing portion thereof, and a fixing member holding the optical element therein, the bottom surface of said fixing member being spherical;  
adjusting a direction of said fixing member while the spherical bottom surface of said fixing member is in contact with the edge of the opening of said fixing portion of the substrate;  
and

fixing said fixing member to said fixing portion, wherein  
said fixing is done by welding.

15. (New) A method of making an optical device according to Claim 13,  
wherein said pedestal and said substrate are laser welded by a Nd-YAG laser.

16. (New) A method of making an optical device according to Claim 13,  
wherein said pedestal and said substrate are laser welded by a Nd-YAG laser at, at least, two points.

17. (New) A method of making an optical device according to Claim 13, wherein said pedestal and said substrate are laser welded by a Nd-YAG laser.
  
18. (New) A method of making an optical device according to Claim 13, wherein said pedestal and said fixing member are laser welded by a Nd-YAG laser at, at least two points.